

**ABSTRACT**

Deep groove ball bearings are used as bearings 20, 30 supporting both side portions of a worm 14. In the first bearing 20 on the side of a motor 10, the curvature radius R1 of a raceway groove 21a in an inner ring 21 or the curvature radius R2 of a raceway groove 22a in an outer ring 22 are set to a specific numerical range with respect to the diameter  $r$  of a ball 23.